



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

52°09' N 106°36' W 497 m asl Estab. 1963

Preliminary

OCTOBER

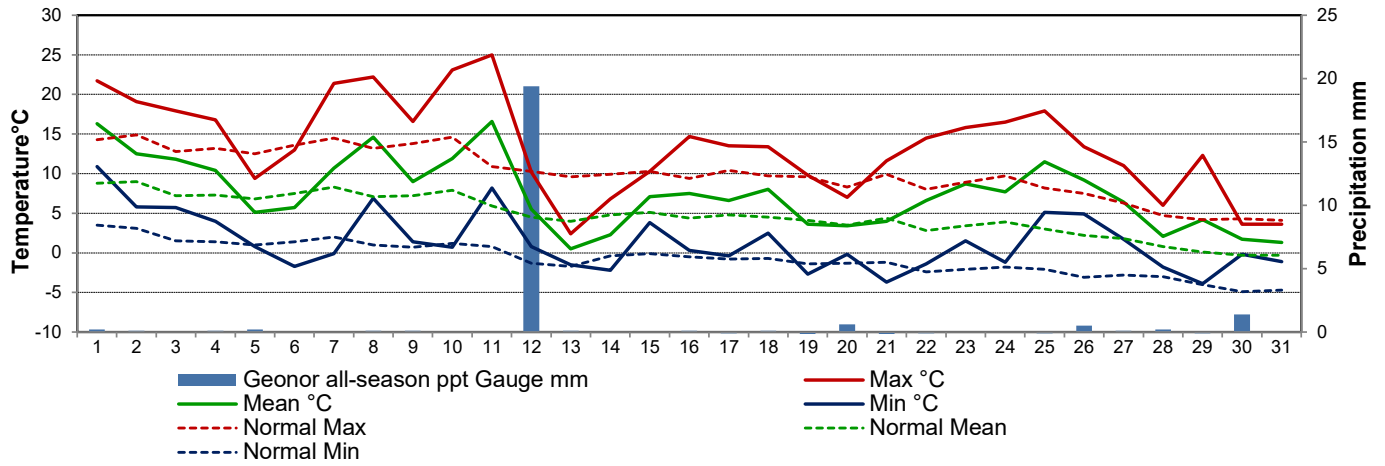
2025

Day	Temperature						Degree-days			Precipitation			Relative Humidity		Station Pressure (sea level)	
	Max	Normal Max	Min	Normal Min	Mean	Normal Mean	Growing	Heating	Cooling	Geonor all-season ppt Gauge	Tipping Bucket	NOTES / Snow on-Ground 0900h	Max ½ hr Avg	Min ½ hr Avg	Max ½ hr Avg	Min ½ hr Avg
	°C	1991-2020	°C	1991-2020	°C	1991-2020	5°C base	18°C base	18°C base	mm	mm	cm	%	%	mbar	mbar
1	21.7	14.3	10.9	3.5	16.3	8.8	11.3	1.7	0.0	0.2	0.0	20	83	41	1010	1001
2	19.1	14.9	5.8	3.1	12.5	9.0	7.5	5.5	0.0	0.1	0.0	showers	93	48	1016	1010
3	17.9	12.8	5.7	1.5	11.8	7.2	6.8	6.2	0.0	0.0	0.0	16	89	48	1016	1007
4	16.8	13.2	4.0	1.4	10.4	7.3	5.4	7.6	0.0	0.1	0.0	15	93	30	1014	1007
5	9.4	12.5	0.8	1.0	5.1	6.8	0.1	12.9	0.0	0.2	0.0	showers	84	34	1018	1013
6	13.0	13.6	-1.7	1.4	5.7	7.5	0.7	12.3	0.0	0.0	0.0	16	55	27	1020	1014
7	21.4	14.5	-0.1	2.0	10.7	8.3	5.7	7.3	0.0	0.0	0.0	8	55	24	1020	1010
8	22.2	13.2	6.9	1.0	14.6	7.1	9.6	3.4	0.0	0.1	0.0	15	74	26	1014	1007
9	16.6	13.8	1.4	0.7	9.0	7.2	4.0	9.0	0.0	0.1	0.0	18	83	25	1022	1015
10	23.1	14.6	0.7	1.2	11.9	7.9	6.9	6.1	0.0	0.0	0.0	20	73	27	1022	1006
11	25.0	10.9	8.2	0.8	16.6	5.9	11.6	1.4	0.0	0.0	0.0	showers	74	24	1005	994
12	10.2	10.3	0.8	-1.3	5.5	4.5	0.5	12.5	0.0	19.4	21.3	16	94	64	1014	997
13	2.4	9.6	-1.5	-1.7	0.5	4.0	0.0	17.5	0.0	0.1	0.0	18	87	62	1027	1014
14	6.8	9.9	-2.2	-0.4	2.3	4.8	0.0	15.7	0.0	0.0	0.0	19	84	62	1026	1023
15	10.3	10.3	3.8	-0.1	7.1	5.1	2.1	10.9	0.0	0.0	0.0	18	84	67	1023	1015
16	14.7	9.4	0.3	-0.5	7.5	4.4	2.5	10.5	0.0	0.1	0.0	22	95	46	1015	1002
17	13.5	10.4	-0.4	-0.8	6.6	4.8	1.6	11.4	0.0	-0.1	0.0	21	95	34	1013	998
18	13.4	9.7	2.5	-0.7	8.0	4.5	3.0	10.0	0.0	0.1	0.0	18	64	32	1009	1001
19	9.8	9.6	-2.7	-1.4	3.6	4.1	0.0	14.4	0.0	-0.2	0.0	-	84	50	1009	995
20	7.0	8.3	-0.2	-1.3	3.4	3.5	0.0	14.6	0.0	0.6	0.5	10	90	61	1016	998
21	11.6	9.9	-3.7	-1.2	4.0	4.4	0.0	14.0	0.0	-0.2	0.0	21	93	47	1016	1013
22	14.5	8.0	-1.4	-2.4	6.6	2.8	1.6	11.4	0.0	-0.1	0.0	11	84	35	1019	1015
23	15.8	8.9	1.5	-2.1	8.7	3.4	3.7	9.3	0.0	0.0	0.0	16	78	34	1015	1008
24	16.5	9.7	-1.2	-1.8	7.7	3.9	2.7	10.3	0.0	0.0	0.0	drizzle	87	35	1011	1002
25	17.9	8.2	5.1	-2.1	11.5	3.0	6.5	6.5	0.0	-0.1	0.0	-	71	29	1006	1001
26	13.4	7.5	4.9	-3.1	9.2	2.2	4.2	8.8	0.0	0.5	0.0	20	80	38	1005	996
27	11.0	6.3	1.7	-2.8	6.4	1.8	1.4	11.6	0.0	0.1	0.0	35	73	38	1013	1001
28	6.0	4.7	-1.8	-3.0	2.1	0.8	0.0	15.9	0.0	0.2	0.0	18	80	52	1025	1013
29	12.3	4.2	-3.9	-4.0	4.2	0.1	0.0	13.8	0.0	-0.1		15	77	28	1024	1006
30	3.6	4.3	-0.2	-4.9	1.7	-0.3	0.0	16.3	0.0	1.4		5	91	71	1022	1011
31	3.6	4.1	-1.1	-4.7	1.3	-0.3	0.0	16.7	0.0	0.0		18	90	60	1024	1014
Total							99.4	325.5	0.0	22.5	21.8		Extreme / Date	Extreme / Date	Extreme / Date	Extreme / Date
Avg	13.6	10.1	1.4	-0.7	7.5	4.7	1991-2020 Normal			20.4	1991-2020 Normal					
Extreme	25.0		-3.9				61.7	413.6	0.2	347.1	Year to date 2024 Cumulative		95	24	1027	994
Date	11		29							328.6	Year to date Cumulative Normal		16	7	13	11
Note: Red numbers indicate manual calculation; Red cell indicate data not available										It has not been corrected for wind speed.						

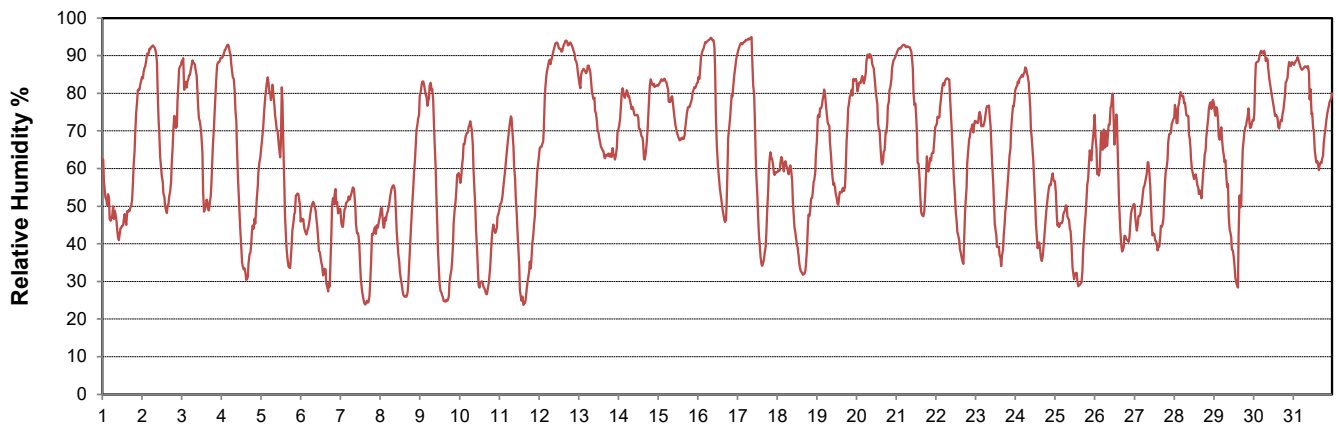
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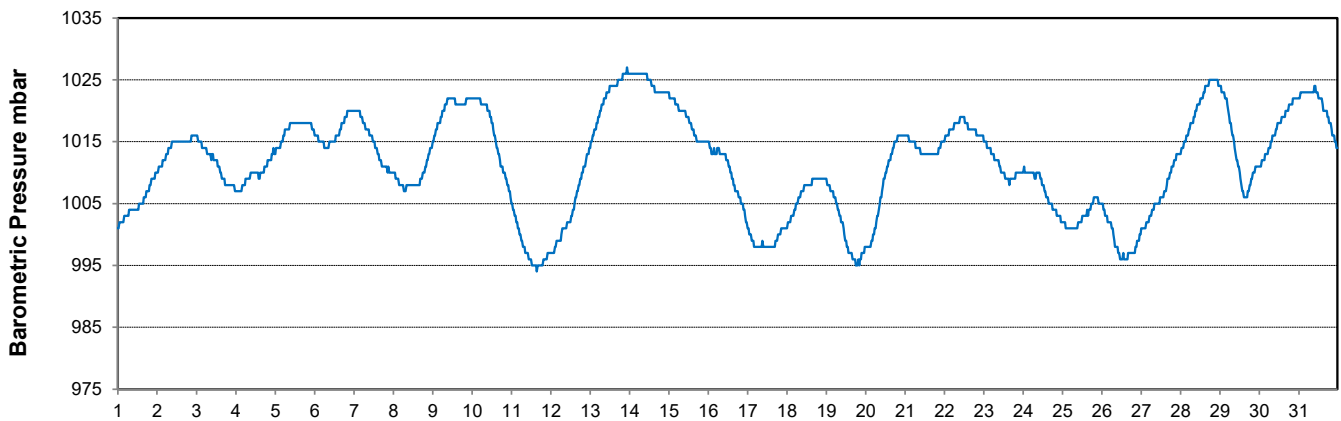
Temperature and Precipitation for October 2025



Relative Humidity for October 2025



Barometric Pressure Corrected to Sea Level for October 2025





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Preliminary

OCTOBER 2025

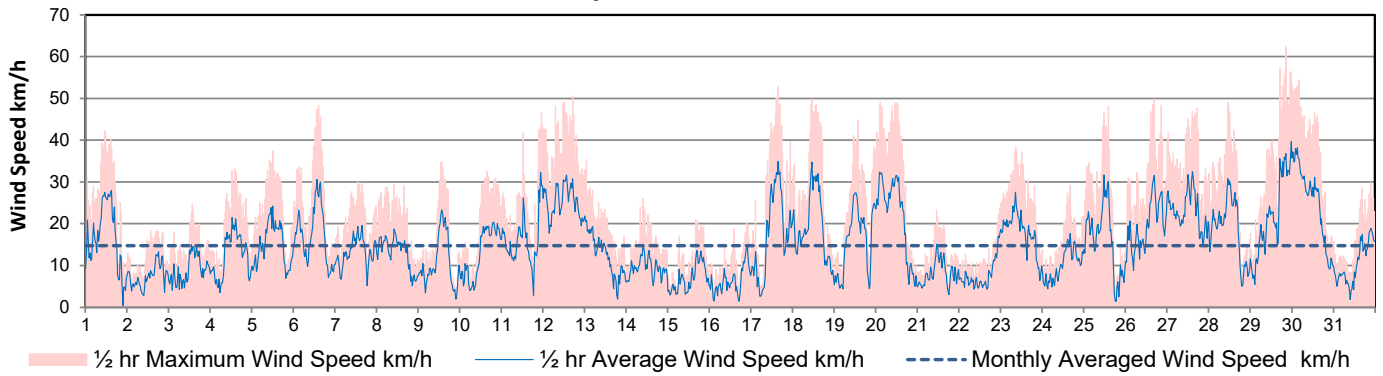
Day	Wind Gust (10 meters)			Wind Speed (10 meters)	Soil Temperatures at 0900hrs								Radiation				
	Max	Direction	Time	Daily Average	Surface	5 cm	10 cm	20 cm	50 cm	100 cm	150 cm	300 cm	Bright Sunshine	Possible	% Possible	Global	Diffuse
	km/h			km/h	°C	°C	°C	°C	°C	°C	°C	°C	hours	hours		MJ/m ²	MJ/m ²
1	42.1	SW	11:07	16.6	13.0	14.0	14.5	15.0	14.0	13.5	18.5	11.5	10.1	11.6	87.2	12.1	3.5
2	18.4	E	13:50	7.4	7.5	10.5	12.0	14.0	14.0	13.5	18.0	11.5	8.2	11.5	71.2	11.5	2.9
3	24.8	SSW	13:57	9.0	8.0	11.0	12.0	13.0	14.0	13.5	18.5	11.5	2.6	11.5	22.7	4.8	3.7
4	33.2	NW	14:13	12.3	8.0	10.0	11.0	12.0	13.5	13.5	18.0	11.5	9.2	11.4	80.8	10.8	3.8
5	37.5	NNW	12:21	14.9	3.0	8.5	10.0	11.5	13.0	13.0	18.0	11.5	5.1	11.3	45.1	6.7	3.7
6	48.3	NNW	14:59	17.3	5.0	7.0	8.0	9.5	12.5	13.0	18.0	11.5	8.3	11.3	73.8	11.3	2.8
7	29.9	SSW	13:23	13.2	5.0	6.5	7.5	9.0	12.0	13.0	18.0	11.5	6.8	11.2	60.8	9.4	4.2
8	29.3	S	10:08	13.1	9.0	9.0	9.5	10.5	11.5	12.5	18.0	11.5	9.6	11.1	86.4	11.4	1.6
9	34.7	NW	13:17	10.8	2.5	7.5	9.0	10.5	12.0	12.5	18.0	11.5	10.6	11.1	95.9	11.8	1.5
10	32.5	S	15:59	12.8	4.0	5.5	7.5	9.5	11.5	12.5	18.0	11.5	10.5	11.0	95.6	11.2	1.6
11	46.5	NNE	23:24	16.0	10.5	9.0	10.0	10.5	11.5	12.5	18.0	11.5	5.9	10.9	54.0	8.0	3.2
12	50.5	N	1:00	25.3	2.5	9.5	10.5	11.0	11.5	12.0	18.0	11.5	0.0	10.9	0.0	1.2	1.1
13	35.3	NW	17:21	12.4	0.0	4.5	5.5	8.0	11.0	12.0	17.5	11.5	0.0	10.8	0.0	3.9	3.8
14	26.0	SSE	9:57	9.4	0.0	3.5	4.5	6.5	10.5	12.0	17.5	11.5	2.5	10.7	23.3	4.9	3.8
15	21.1	S	16:28	6.9	5.0	5.5	6.0	7.0	9.5	12.0	17.5	11.5	0.0	10.7	0.0	3.0	3.0
16	20.1	SE	21:51	6.4	1.0	5.0	6.0	7.5	9.5	11.5	17.5	11.5	10.0	10.6	94.4	9.9	1.7
17	52.8	WNW	15:44	17.4	0.0	4.5	5.5	7.0	9.5	11.5	17.5	11.5	8.2	10.5	77.9	9.5	1.9
18	49.8	WNW	11:27	19.4	4.5	5.5	6.0	7.5	9.5	11.0	17.5	11.5	10.0	10.5	95.6	9.8	1.4
19	44.7	SE	13:43	15.9	1.5	3.0	4.5	6.5	9.0	11.0	17.5	11.5	0.2	10.4	1.9	2.3	2.2
20	49.1	WNW	2:45	21.8	2.0	4.5	5.5	4.5	9.0	11.0	17.5	11.5	1.3	10.3	12.6	4.4	3.8
21	23.3	SSW	11:14	8.2	-1.0	2.0	3.5	5.5	8.5	10.5	17.0	11.5	6.0	10.3	58.5	7.1	3.0
22	23.6	SE	23:44	7.6	-1.5	2.5	3.5	5.0	8.0	10.5	17.0	11.5	9.7	10.2	95.1	8.9	1.1
23	38.4	SE	8:50	18.1	2.0	3.0	4.0	5.0	8.0	10.5	17.0	11.5	9.4	10.1	92.8	8.7	1.4
24	29.1	SSW	16:12	10.1	0.5	2.5	3.5	5.5	8.0	10.0	16.5	11.0	8.6	10.1	85.4	7.0	3.9
25	48.1	W	14:16	16.2	11.5	5.5	6.0	6.5	8.0	10.0	16.5	11.0	2.2	10.0	22.0	4.4	3.2
26	49.8	SW	16:34	19.4	7.5	6.5	7.0	7.0	8.5	10.0	16.5	11.0	4.7	9.9	47.3	5.2	2.2
27	47.6	WNW	17:23	23.2	1.5	5.0	6.0	6.0	8.5	10.0	16.0	11.0	7.9	9.9	80.0	7.4	1.8
28	49.0	WNW	11:03	18.8	2.0	4.5	5.0	6.0	8.5	10.0	16.0	11.0	1.9	9.8	19.3	3.6	3.0
29	62.4	WNW	20:50	21.6	1.0	1.5	3.0	4.5	8.0	10.0	16.0	11.0	1.4	9.8	14.3	3.7	2.9
30	54.4	WNW	4:06	25.5	1.0	3.0	4.0	5.0	7.5	9.5	16.0	11.0	0.0	9.7	0.0	2.0	2.0
31	29.8	SE	21:54	10.4	0.0	3.0	3.5	4.5	7.5	9.5	15.5	11.0	2.7	9.6	28.0	4.4	2.8
Total													173.6	328.4	52.9	220.3	82.5
Mean				14.7	3.8	5.9	6.9	8.1	10.2	11.5	17.3	11.4	1991-2020 Normal				
Extreme	62.4	WNW	20:50		1971- 2000 Normal for Soil Temperatures								158.7	329.0	48.2	226.5	92.8
Date	29					4.3	4.7	6.2	8.3	9.2	9.6	9.4	No. of Bright Sunshine days = 27				

Note: Red numbers indicate manual calculation; Red cell indicate data not available

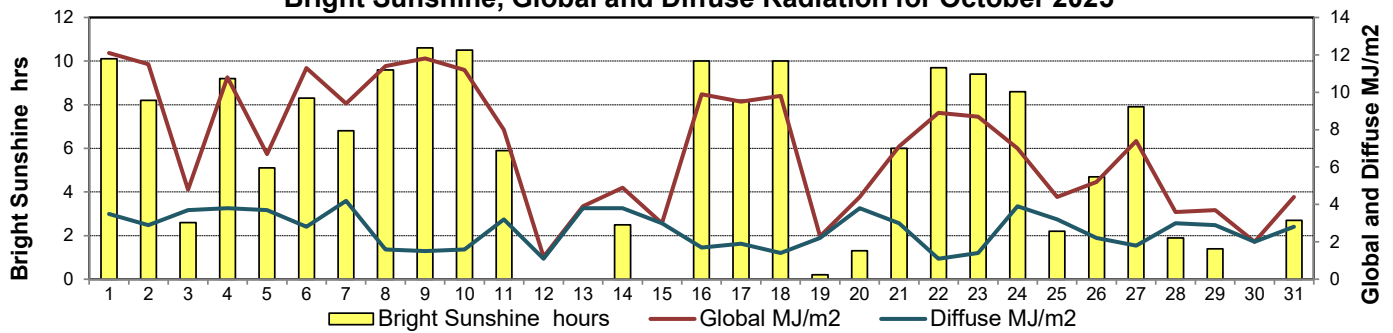
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Wind Speed for October 2025

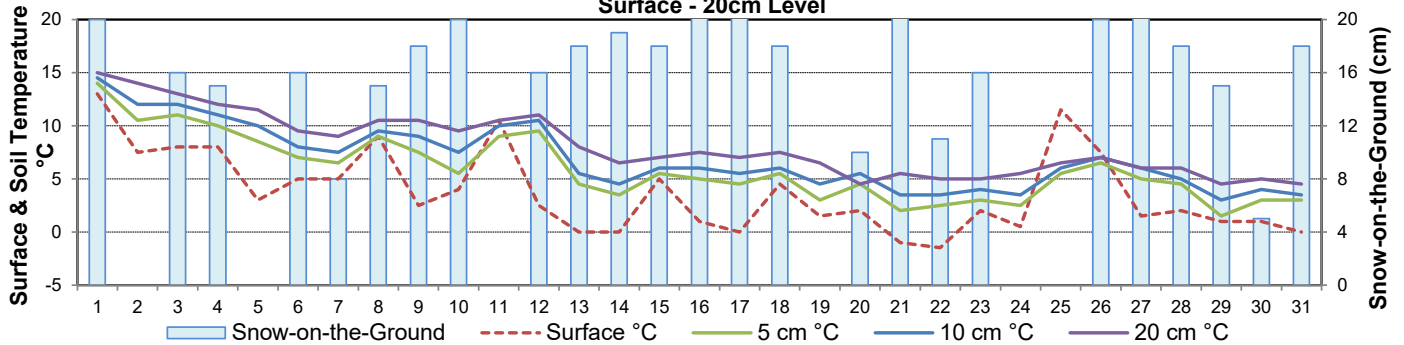


Bright Sunshine, Global and Diffuse Radiation for October 2025



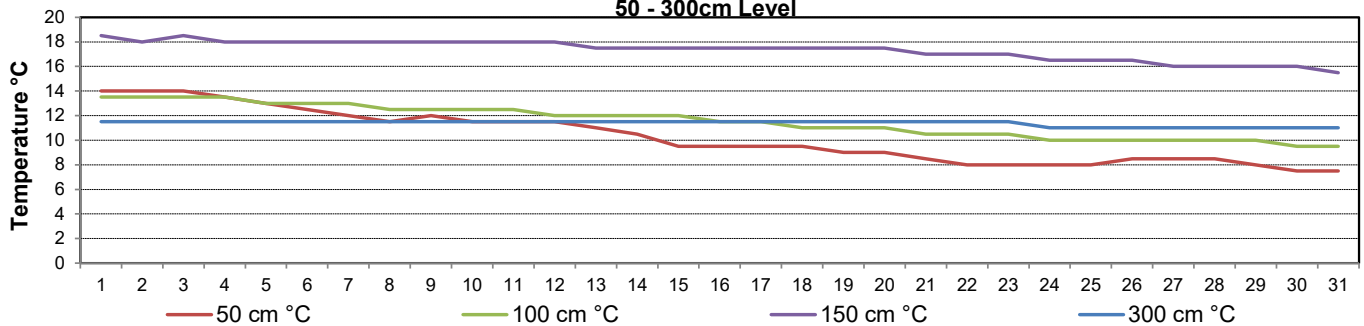
Soil Temperatures for October 2025

Surface - 20cm Level



Soil Temperatures for October 2025

50 - 300cm Level





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Preliminary **OCTOBER 2025****Extreme Records for October**

Max/Min Temperature °C				Precipitation - Monthly mm				Wind Monthly km/h				CRS Bright Sunshine - Monthly			
S'toon Area	Date	Site	S'toon CRS Date	S'toon Area	Date	Site	S'toon CRS Date	S'toon Airport	Date	S'toon CRS**	Date	Hours	Year	No. of Days	Year
32.2	05/1943	SA US SF	28.5 06/1980,08/1984	72.4	1969	SF	69.8 1969	138 ^{NW}	16/1967	97	1976	231.3	2010	31	1965, 88
-25.6	26/1919	SE US	-21.5 29/1991	0.0	1965*	NRC*	0.0 2000					61.1	2016	19	2016

**1975 forward * more than one year/site

Notable Events for CRS Saskatoon - October						Saskatoon Area Stations			Glossary	
Element	Type	Day	New Record	Old Record	Year	SM	NWMP	c. 1892-1901	T	Trace of precipitation
Temperature	Highest Minimum Daily	19	5.9	5	1967	SE	Eby	1901-1941	Normal	30 year average beginning with the decade
						US	Univ. of Sask.	1915-1964	SOG	Depth of snow-on-the-ground in cm
						S	Saskatoon	1941-1942	na	not available
						SA	Saskatoon A	1942 -	Degree-days	
Latest Fall Frost		13		7	2009	NRC	Nat. Res. Council	1952-1966	Tm	Mean Temperature
Longest Frost-free Season (# of days)			168	164	2023	SRC	Sask. Res. Council	1963-	Growing	(Tm-5°C); if Tm ≤ 5°C then GDD = 0
						SWT	S'toon Water Treatment Plant	1974 -	Heating	(18°C-Tm); if Tm ≤ 18°C then HDD = 0
						SC	S'toon Central Ave	1974-1989	Cooling	(Tm-18°C); if Tm ≥ 18°C then CDD = 0
						S1	Saskatoon 1	1976-1978	Extreme Cooling	(Tm-24°C); if Tm ≥ 24°C then CDD = 0
						S2	Saskatoon 2	1977-1990	October 28 Site Fall Maintenance - new 20 cm soil moisture instrument installed - replaced snow depth screen - general fall maintenance on geonor, replacement of desiccant, capped tipping bucket, checked battery charge levels	
						K	S'toon Kernen Farm	1993-2004		
						KCS	S'toon Kernen Farm CS	1996-		
						RCS	Environment Canada	2008-		
						SF	Sutherland Forestry	1943-1970		

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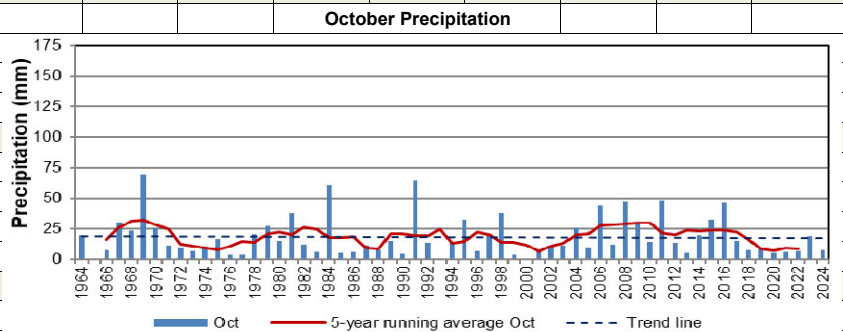
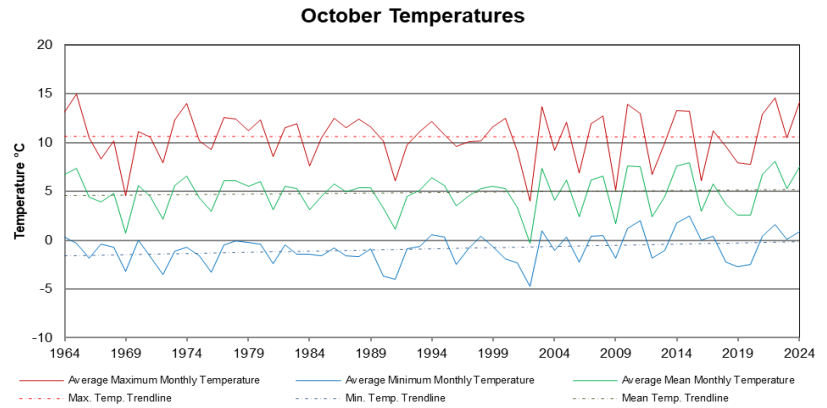
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October

2025

Day	2 meter Wind Speed			Soil Moisture at 0900 hrs (rounded to the 0.5%)		
	Daily Average	Max ½ hr Avg	½ hr Extreme Max	10 cm	20 cm	50 cm
	km/h	km/h	km/h	% by volume (soil type is Loam (45.5% Sand, 41.1% Silt, 13.3% Clay))		
1	12.0	21.2	32.1	7.0	1.5	12.5
2	4.0	9.4	16.0	6.0	1.5	12.0
3	6.0	11.8	18.3	6.0	1.5	12.5
4	8.0	15.2	24.1	5.5	1.5	12.0
5	10.0	17.4	29.3	6.0	1.5	12.0
6	12.0	22.1	36.8	5.5	1.5	11.5
7	9.0	14.5	23.5	5.5	1.5	12.0
8	9.0	13.8	25.8	5.5	1.5	11.5
9	8.0	17.0	28.1	5.5	1.5	12.0
10	8.0	14.0	25.8	4.5	1.5	11.5
11	11.0	22.3	37.9	5.0	1.5	11.0
12	18.0	22.5	42.5	5.0	1.5	11.5
13	8.0	15.5	23.5	22.0	1.5	11.0
14	6.0	9.4	19.5	20.5	1.5	11.5
15	4.0	9.3	18.3	20.5	1.5	11.5
16	4.0	10.0	21.2	19.5	1.5	11.5
17	12.0	25.1	41.9	19.0	1.5	11.5
18	14.0	25.2	37.9	18.0	1.5	11.5
19	11.0	20.1	35.6	17.0	1.5	11.5
20	16.0	23.8	37.3	17.0	1.5	11.0
21	5.0	11.2	18.9	16.5	1.5	11.0
22	5.0	12.4	18.3	16.0	1.5	11.0
23	12.0	19.9	30.4	16.0	1.5	11.0
24	6.0	11.1	22.9	16.0	1.5	11.0
25	10.0	23.2	37.3	16.0	1.5	11.0
26	14.0	23.4	41.9	15.0	1.5	11.0
27	17.0	23.5	37.9	15.0	1.5	11.0
28	13.0	22.4	42.5	14.5	1.5	11.0
29	14.0	28.4	44.2	14.0	1.5	11.0
30	19.0	28.0	42.5	14.0	1.5	11.0
31	8.0	24.0	24.0	14.0	1.5	11.0
Total						
Mean				13	2	11.4
Extreme	19.0	28.4	44.2	22	1.5	12.5
Date	30	29	29	13	1	1



Note: Red numbers indicate manual calculation; Red cell indicate data not available

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